

Clemens, Karen

From: Delaval, Jan
Sent: Thursday, April 12, 2001 3:53 PM
To: Clemens, Karen
Subject: RE: 09/543371

Karen -

09 / 625191 sequence 10 is 245 AA in length.
09 / 543371 sequence 10 is 244 AA in length.

The difference is p (proline) as the first AA in 09 / 625191 which is absent in sequence 10 of 09 / 543371.

This implies that you will not have the same results for these searches, as the leading AA is different.

Jan

-----Original Message-----

From: Clemens, Karen
Sent: Thursday, April 12, 2001 12:29 PM
To: Delaval, Jan
Subject: 09/543371

Greetings Jan,

How are you? Wow, eh? Life is never boring at the PTO I guess. Could you possibly search the protein databases (and interference if possible) for 09/543371. They are using open language but may switch to closed if there is are so. If possible could you search open and closed? If you don't have time open is fine. Thanks so sos sos much my dear!

09/543,371

SEQ ID NO:10 (245 amino acids)
SEQ ID NO:10 amino acids 54 to 124
SEQ ID NO:10 amino acids 185 to 203

d:US-09-543-371-10 (1-244)

f: 5

comparison of US-09-543-371-10 (1-244) with:
p (also in Killuri et al 1996)

Turn 1 54 244
(N53)

Turn 2 124 244

Turn 3 125 244

Turn 4 181 244

54-124 = has anti-angiogenic property
185-203 = has anti-tumor activity

108	136	163	190	217	244
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PARAMETERS

ry	K-tuple	2
1	Joining penalty	20
00	Window size	32
05		

SEARCH STATISTICS

n	Median	Standard Deviation
4	4	105.94
0.00	Total Elapsed	00:00:00.00
716		
5		
f:		

by initial score.
based on initial score.

he query sequence was found:

Init. Opt. Sig. Frame
length Score Score

- 2. US-09-625-191-2 Sequence 2, Application US 229 161 161 0.63 0
- 3. US-09-625-191-6 Sequence 6, Application US 227 60 132 0.32 0
- 4. US-09-625-191-14 Sequence 14, Application 7 3 3 -0.86 0
- 5. US-09-625-191-13 Sequence 13, Application 8 2 3 -0.87 0

1. US-09-543-371-10 (1-244)
US-09-625-191-10 Sequence 10, Application US/09625191

09/543371

Sequence 10, Application US/09625191

GENERAL INFORMATION:
APPLICANT: Raghuram Kalluri
TITLE OF INVENTION: ANTI-ANGIOGENIC PROTEINS AND FRAGMENTS
FILE REFERENCE: 1440.1027-006

CURRENT APPLICATION NUMBER: US/09/625,191
CURRENT FILING DATE: 2000-07-21
PRIOR APPLICATION NUMBER: US 09/543,371
PRIOR FILING DATE: 2000-04-04
PRIOR APPLICATION NUMBER: US 09/335,224
PRIOR FILING DATE: 1999-06-17
PRIOR APPLICATION NUMBER: US 60/126,175
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 60/089,689
PRIOR FILING DATE: 1998-06-17
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10
LENGTH: 245
TYPE: PR
ORGANISM: Homo sapiens

Initial Score = 244
Residue Identity = 100%
Matches = 244
Gaps = 0
Conservative Substitutions = 244
Significance = 1.42
Mismatch = 0
WVD 0/114 75 (2000)

GLGKRGDSGSPATWTRGTFVTRHSQTTAFPSCEGTVPVLSGFSFLFYOGNORAHGODLTGSCLORF
PGKGRGDSGSPATWTRGTFVTRHSQTTAFPSCEGTVPVLSGFSFLFYOGNORAHGODLTGSCLORF
TTPMFLFCNVNDVCFNFSANDYSYWLSTPALPMNMNAPITGRALEPYISRCTVCEGPAIAIAVHSQTDIPP
TTPMFLFCNVNDVCFNFSANDYSYWLSTPALPMNMNAPITGRALEPYISRCTVCEGPAIAIAVHSQTDIPP
CPHGMISLWKGFSFIMFTSAGSEGTGOALASPGSCLEEFRAISPLECHGRGTCNYNSYSFVWLASLNPERR
CPHGMISLWKGFSFIMFTSAGSEGTGOALASPGSCLEEFRAISPLECHGRGTCNYNSYSFVWLASLNPERR
150 160 170 180 190 200 210
150 160 170 180 190 200 210

220 230 240 X
FRKPIPTVAKAGLEKTIISRCQVCMKKRH
FRKPIPTVAKAGLEKTIISRCQVCMKKRH
220 230 240 X
FRKPIPTVAKAGLEKTIISRCQVCMKKRH
FRKPIPTVAKAGLEKTIISRCQVCMKKRH

- 2. US-09-543-371-10 (1-244)
US-09-625-191-2 Sequence 2, Application US/09625191
- Sequence 2, Application US/09625191

185-203 = non coding
inhibitor
cannot inhibit endothelial
proliferation